

Having described, I claim:

1. A method of fracturing a subterranean formation at reduced surface pressure including injecting into a wellbore an energized fracturing fluid based on a liquid medium having a density higher than 1.2 g/cm^3 .
2. The method of claim 1, wherein the liquid medium has a density greater than 1.5 g/cm^3 .
3. The method of claim 1, wherein the energizing gas is selected from the group consisting of nitrogen, carbon dioxide, air and mixture thereof.
4. The method of claim 1, wherein the energized fracturing fluid has a foam quality of at least 25%.
5. The method of claim 1, wherein the energized fracturing fluid has a foam quality of at least 50%.
6. The method of claim 1, wherein the liquid medium comprises an aqueous solution, a zwitterionic surfactant as gelling agent and salts.
7. The method of claim 6, wherein said zwitterionic surfactant is a betaine containing an erucic acid amide group.
8. The method of claim 6, wherein said zwitterionic surfactant is a betaine containing a oleyl acid amide group.
9. The method of claim 1, wherein the fluid comprises at least a density-enhancer selected from the group consisting of salts, sugar, chloroform, carbon tetrachloride and glycerol and mixture thereof.
10. The method of claim 9, wherein said density enhancer is a salt selected from the group consisting of calcium chloride, calcium bromide, potassium bromide, sodium bromide and mixture thereof.